

Program Description/Textbook or Print Instructional Material

Vendor: Delmar Learning Web Address: www.delmar.com

Title: Exploring Agriscience

Author: Herren Copyright: 2004

ISBN: 0-7668-1674-5 Course/Content Area: Vocational and Career Education;
Agriculture; Agricultural Education

Intended Grade or Level: 9-12 Readability Level: 9.8 (Flesch Kincaid)

List Price: 87.95 Lowest Wholesale Price: 65.25

All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.

Level of Accommodations (Level One, Two or Three) Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance It is not financially feasible for our products to meet Level One at this time.

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content

- A comprehensive introduction to horticulture, animal science, environmental science, biotechnology, and careers in agricultural-related fields, "Exploring Agriscience" is for anyone interested in gaining broader knowledge of the agriculture industry, particularly students.
- It offers essential up-to-date instruction on plant and animal science, food science and environmental technology in an easy to follow format.
- Especially suited for science credit courses, the text offers essential instruction on plant and animal science, food science and environmental technology.

Student Experiences

- Going beyond the elements of traditional science texts, "Exploring Agriscience 2nd Edition," offers readers a firm intellectual and skill-based foundation for further career preparations in agriscience.
- With thorough, up-to-date coverage, the chapters encourage readers to integrate basic biological and technical concepts with the principles of agriculture, while the exquisite full-color illustrations, and hands-on applications reinforce key principles of the text.
- "Exploring Agriscience 2nd Edition" is designed to help readers develop a firm intellectual and skill-based foundation for further career preparation in agriscience.

Assessment

This full-color exploratory approach to agriscience helps students develop a firm intellectual and skill-based foundation for further career preparations in agriscience. Its easy to follow format accommodates the middle school students need for a broad introduction to such subjects as horticulture, animal science, environmental science, biotechnology, and careers in agricultural-related fields. Numerous hands-on exercises and superb full-color illustrations help reinforce major principles, while highlighted articles, featuring FFA Career Development Events, prepare students for later participation in FFA contests. An instructor's guide, laboratory manual, teacher's resource guide and test bank CD-ROM are also available for this text.

Organization

- Illuminating full color photos and illustrations enhance comprehension with visual learning, and numerous exercises for practical applications are presented to help reinforce key concepts of the text.
- The chapters provide thorough, up-to-date coverage encouraging students to integrate basic biological and technical concepts with the principles of agriculture.
- Full color illustrations enhance student comprehension with visual learning reinforcement of key concepts.

Resource Materials

Gratis Items To Be Provided And Under What Conditions

Instructor's Manual (0-7668-1675-3) Free 1 per teacher

ClassMaster (0-7668-1678-8) Free 1 per teacher

Available Ancillary Materials

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

NOTE: Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate **"not available"** in the space.



Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Agriculture/Production



Title: Exploring Agriscience		\$65.25	
Publisher: Delmar Learning			
Item Evaluated: Textbook			
Copyright Date: 2004		Evaluator: Pam Zeller & D. Matherly	
Content Level: 9-12		Date of Evaluation 28 July 03	
Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance
This section completed by Exceptional Children Services			

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
<input checked="checked" type="checkbox"/> Recommended by reviewers to State Textbook Commission
<input type="checkbox"/> Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.



Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Agriculture/Production



Title: Exploring Agriscience		Publisher Delmar Learning
Technology Management Summary Data:	20 possible points	_____ points earned
Technology Management Comments:		
Technology Presentation/Interface Summary Data:	40 possible points	_____ points earned
Technology Presentation/Interface Comments:		
Content Summary Data:	52 possible points	__23_____ points earned
Content Comments:		
Instruction & Management Summary Data	52 possible points	__31_____ points earned
Instruction & Management Comments:		
Organization & Structure Summary Data	36 possible points	__46_____ points earned
Organization & Structure Comments:		
Resource Material Summary Data	40 possible points	__24_____ points earned
Resource Material Comments:		



Group V - Career /Technical & Vocational/Practical Living

Electronic Instructional Media Review Form

Stand Alone/Independent or Integrated Software for Agriculture/Production



Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)	Cost ____n/a____	
Windows	Primary	Individual xx	Stand Alone/Independent	____single copy	____site license
Macintosh	Intermediate	Small Group	Integrated	____network version	____school version
CD-ROM xx	Middle	Large Group	Supplemental xx	____lab pack of ____ copies	____online
DVD	High xx		In lieu of basal test		
Sound					
Other					

If other, explain

Type of Software: Check all that apply	____Simulation	____Management	____Interdisciplinary	____Problem Solving	____Tutorial
____Exploratory	____Creativity	____Drill and Practice	____Critical Thinking	____Utility	____xx4__Other: r:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	
Allows students to exit and resume at a later time.	
Keeps a students performance record, where needed.	
Allows control of various aspects of the software (e.g., turning sound off).	
Allows for printed reports.	
Comments:	Total

Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	2
Accessible for special needs students.	2
Runs smoothly, without long delays.	4
Presents easy-to-view text and graphics.	4
Presents easy-to-hear and understand sounds.	2
Avoids unnecessary screens, sounds, and graphics.	2
Provides immediate, appropriate feedback.	0
Comments:	Total 28

Content—Agriculture/Production	Rating
Career Focus/Employability Skills/Workplace Readiness Skills	3
Supervised Agricultural Experience (Work Based Learning)	4
Leadership Development / FFA Student Organization	4
Animal Science	4
Plant & Land Science	4
Agribusiness/Farm Management	0
Sales & Marketing/Planning, Analysis, Strategies, etc.	0
Small Power Equipment/Ag. Power & Machinery	0
Ag. Construction/Ag. Structures & Design	0
Sales & Marketing/Planning, Analysis, Strategies, etc.	0
Technology in Agriculture (Food Animal, Plant, Crop Environmental, Bio-Tech)	4
Emerging Agricultural Technologies (GIS, GPS, Tissue Culture, Cloning, etc.	4
Agriscience Principles	4
Comments:	Total 31

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Production Ideas	4
Promotes Student Thinking	4
Assesses Student Progress	3
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) “like” Assessment is provided	3
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	4
Includes activities and opportunities for integration of technology.	2
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	3
Differentiation techniques and activities suggested.	3
Comments:	Total 46

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	4
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	3
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	4
Comments:	Total 35

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	4
Extension activities including adaptations and accommodations for students with special needs.	3
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	3
Suggestions are made for integration of themes and /or interdisciplinary instruction.	4
Integration opportunities suggested and examples given.	3
Teacher resources are available online.	3
Online resources available – Repeat of information in text.	0
Online resources available – Practice skills only.	0
Online resources available – New application materials.	0
Comments:	Total 24

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable